

In the Claims:

Please amend Claims 1, 16, 48, 52-57, 60-67, 70, 75-77, 79 and 80 and add new Claims 81 and 82 as follows:

Claim 19 is provided below to include the changes made thereto by the Certificate of Correction issued on February 25, 2003.

1. (Amended) A fluid injection apparatus comprising:

- at least one drive mechanism;
- at least two fluid containers operably associated with the at least one drive mechanism, one fluid container containing a contrast medium and the other fluid container containing a flushing medium; and
- a control device operably associated with the at least one drive mechanism, the control device operable to selectively program a plurality of phases of an injection procedure, each of the [plurality of] phases capable of comprising at least one of a contrast medium phase, a flushing medium phase and a KVO phase.

16. (Amended) A fluid injection apparatus comprising:

- at least one drive mechanism;
- at least two fluid containers operably associated with the at least one drive mechanism, one fluid container containing a contrast medium and the other fluid container containing a flushing medium; and
- a control device operably associated with the at least one drive mechanism, said control device comprising:
 - means for programming a first phase of an injection procedure;
 - means for programming a second phase of an injection procedure, subsequent to a first phase of an injection procedure;
 - means for programming a third phase of an injection procedure, subsequent to a second phase of an injection procedure; and

means for programming a fourth phase of an injection procedure, subsequent to a [second] third phase of an injection procedure, as a phase other than a flushing medium phase.

19. The apparatus of claim 16, wherein said means for programming a second phase of an injection procedure comprises:

means for programming a second phase of an injection procedure, subsequent to a first phase of an injection procedure, as a contrast medium phase; and

means for programming a second phase of an injection procedure, subsequent to a first phase of an injection procedure, as a flushing medium phase.

48. (Amended) A method of programming an injection apparatus comprising a drive mechanism, at least two fluid containers and a control device for programming the injection procedure, the method comprising:

selectively programming a plurality of phases of an injection procedure, each of the [plurality of] phases capable of comprising at least one of a contrast medium phase, a flushing medium phase and a KVO phase.

52. (Amended) The method of Claim 51, wherein said step of programming a first phase of an injection procedure comprises [selectably] selectively programming the first phase of an injection procedure as a phase other than a contrast medium phase.

53. (Amended) The method of Claim 52, wherein said step of programming a first phase comprises [selectably] selectively programming the first phase as a contrast medium phase.

54. (Amended) The method of Claim 51, wherein said step of programming a second phase comprises [selectably] selectively programming the second phase as a contrast medium phase.

55. (Amended) The method of Claim 51, wherein said step of programming a second phase comprises [selectably] selectively programming the second phase as a flushing medium phase.

56. (Amended) The method of Claim 51, wherein:
said step of programming a third phase is performed during one protocol; and
said method further comprises, during another protocol, the step of [selectably] selectively programming a third phase of an injection procedure as a flushing medium phase.

57. (Amended) The method of Claim 51, wherein said step of programming a second phase of an injection procedure comprises [selectably] selectively programming the second phase as a hold phase.

60. (Amended) The method of Claim 59, wherein said step of programming a first phase of an injection procedure comprises [selectably] selectively programming the first phase of an injection procedure as a phase other than a contrast medium phase.

61. (Amended) The method of Claim 59, wherein said step of programming a first phase comprises [selectably] selectively programming the first phase as a contrast medium phase.

62. (Amended) The method of Claim 59, wherein said step of programming a second phase comprises [selectably] selectively programming the second phase as a contrast medium phase.

63. (Amended) The method of Claim 59, wherein said step of programming a second phase comprises [selectably] selectively programming the second phase as a flushing medium phase.

64. (Amended) The method of Claim 59, wherein said step of programming a third phase comprises [selectably] selectively programming the third phase as a contrast medium phase.

65. (Amended) The method of Claim 59, wherein said step of programming a third phase comprises [selectably] selectively programming the third phase as a flushing medium phase.

66. (Amended) The method of Claim 59, wherein:

said step of programming a fourth phase is performed during one protocol; and

said method further comprises, during another protocol, the step of [selectably] selectively programming a fourth phase of an injection procedure as a flushing medium phase.

67. (Amended) The method of Claim 59, wherein said step of programming a

second phase of an injection procedure comprises [selectably] selectively programming the second phase as a hold phase.

70. (Amended) The method of Claim 69, wherein:

said step of programming a first phase is performed during one protocol; and

said method further comprises, during another protocol, the step of [selectably] selectively programming a first phase of an injection procedure as a contrast medium phase.

75. (Amended) The method of Claim 74, wherein said step of programming a

first phase comprises [selectably] selectively programming the first phase as a flushing medium phase.

76. (Amended) The method of Claim 74, wherein said step of programming a second phase comprises [selectably] selectively programming the second phase as a contrast medium phase.

77. (Amended) The method of Claim 74, wherein said step of programming a second phase comprises [selectably] selectively programming the second phase as a flushing medium phase.

79. (Amended) A method of programming an injection procedure, comprising:
[selectably] selectively programming a first phase of an injection procedure, during a first protocol, as a contrast medium phase;

[selectably] selectively programming a first phase of an injection procedure, during a second protocol, as a flushing medium phase; and

programming a second phase of an injection procedure, subsequent to the first phase during at least one of said first and second protocols, as a hold phase.

80. (Amended) A method of programming an injection procedure, comprising:
[selectably] selectively programming a first phase of an injection procedure, during a first protocol, as a contrast medium phase;

[selectably] selectively programming a first phase of an injection procedure, during a second protocol, as a flushing medium phase;

[selectably] selectively programming a second phase of an injection procedure, during one of said first and second protocols, as a contrast medium phase;

[selectably] selectively programming a second phase of an injection procedure, during one of said first and second protocols, as a flushing medium phase; and programming a pause phase to occur between first and second phases of an injection procedure, during at least one of said first and second protocols.

81. The method of claim 69, wherein said step of programming a first phase comprises selectively programming the first phase as a KVO phase.

82. A fluid injection apparatus comprising:
at least one drive mechanism;
at least two fluid containers operably associated with the at least one drive mechanism; and
a control device operably associated with the at least one drive mechanism, the control device operable to selectively program a KVO phase by defining at least two injection parameters selected from fluid flow rate, fluid volume and injection duration.